

“Large angular momentum in the M-theoretic regime of AdS<sub>4</sub>/CFT<sub>3</sub> correspondence”  
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Abstract

I will discuss the use of large angular momenta in the M-theoretic AdS<sub>4</sub>/CFT<sub>3</sub>: duality between M-theory defined on  $AdS_4 \times S^7/Z_k$  and the ABJM theory with level  $k$  and gauge group  $U(N) \times U(N)$  where  $k$  is finite and  $N$  is large. In particular I will discuss near-BPS operators in ABJM theory which correspond to states of membranes with large angular momenta on AdS. The talk will be based on my work with S. Kovacs(DIAS) and Y. Sato (NBI).